

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 78-56

NPDES PERMIT NO. CA0037508

AN ORDER AMENDING ORDER NO. 77-38 TO ADOPT
AMENDED WASTE DISCHARGE REQUIREMENTS AND
REVISED COMPLIANCE TIME SCHEDULE AND
RESCINDING ORDER NO. 77-39 FOR:

CITY OF PITTSBURG
MONTEZUMA PLANT
CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board), finds that:

1. The City of Pittsburg, hereinafter discharger, presently discharges waste from the Montezuma sewage treatment plant into the Sacramento River at 38° 3', 23" latitude and 121° 53', 12" longitude under requirements established by the Board in Order No. 77-38.
2. The Board adopted Order No. 77-39 an Enforcement Order for issuance of a time schedule in conjunction with Order No. 77-38 as a compliance time schedule for completion of secondary treatment facilities.
3. The discharger is included in the recently expanded Contra Costa County Sanitation District No. 7A, formerly called the East/Central Contra Costa County Subregional Wastewater Management Agency.
4. Since the issuance of Order No. 77-39, design delays have occurred such that the schedule for completion of the Contra Costa County Sanitation District No. 7-A subregional treatment plant has been substantially altered.
5. The discharger currently achieves 50 percent BOD and suspended solids removal through chemical addition, but the discharger has requested some relaxation of the BOD removal limit because of high chemical and sludge handling costs. This Order relaxes that limit but makes the suspended solids removal requirement more stringent.
6. This project involves the continued operation of a publicly-owned facility to provide sewerage service with negligible or no expansion of use beyond that previously existing. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15101, Title 14, California Administrative Code.

7. The discharger and interested agencies and persons have been notified of the Board's intent to amend requirements for the existing discharge and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED THAT Order No. 77-39 is rescinded and Order No. 77-38 is amended as follows:

1. Effluent Limitation B.1. shall hereafter read:

"Effective immediately, the following requirements shall apply:

- a. Settleable matter:

The arithmetic mean of any six or
more samples collected on any day 0.5 ml/l-hr, maximum

80% of all individual samples
collected during maximum daily
flow over any 30-day period 0.4 ml/l-hr, maximum

Any sample 1.0 ml/l-hr, maximum

- b. The arithmetic mean of values for BOD in effluent samples collected in a period of thirty (30) consecutive days shall not exceed seventy (70) percent of the arithmetic mean of respective values for influent samples collected at approximately the same times during the same period (i.e. thirty (30) percent removal).
- c. The arithmetic mean of values for suspended solids in effluent samples collected in a period of thirty (30) consecutive days shall not exceed forty (40) percent of the arithmetic mean of respective values for influent samples collected at approximately the same times during the same period (i.e. sixty (60) percent removal)."

2. Effluent Limitation B.7 shall hereafter read:

"When the Mallard Slough municipal water intake is in use, the effluent shall meet the following limit:

Total coliform bacteria for a median of 5 consecutive samples shall not exceed 23 MPN/100 ml. Any single sample shall not exceed a most probable number (MPN) of 1,000 total coliform bacteria per 100 ml when verified by a repeat sample taken within 48 hours.

At all other times, the effluent shall meet the following limit:

The total coliform bacteria for a median of five consecutive effluent samples shall not exceed 240 per 100 milliliters. Any single sample shall not exceed a most probable number (MPN) of 10,000 total coliform bacteria when verified by a repeat sample taken within 48 hours.

The discharger shall be responsible for contacting the Contra Costa County Water District to determine the current usage status of the Mallard Slough municipal water intake."

3. Provision E.2.a. shall hereafter read:

"Compliance with effluent limitations B.2.a, B.2.b, B.2.c, B.2.e, B.4, B.6; Receiving Water C.1.a, C.1.c, and C.2.d, and Prohibition A.1 and A.2:

<u>Task</u>	<u>Compliance Date</u>	<u>Report of Compliance Date</u>
a. Status report on completion of Plans and Specifications	-	August 15, 1978
b. Submit complete Plans and Specifications for sub-regional treatment plant	October 1, 1978	October 15, 1978
c. Award construction contract for subregional treatment plant	April 1, 1979	April 15, 1979
d. Status report I, on Construction	-	October 15, 1979
e. Status report II, on	-	March 15, 1980
f. Status report III, on Construction	-	August 15, 1980
g. Complete Construction	March 1, 1981	March 15, 1981
h. Full Compliance	May 1, 1981	May 15, 1981"

4. Prohibition A.4 should be added as follows:

"Discharge from this plant after May 1, 1981, is prohibited."

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on July 18, 1978.

FRED H. DIERKER
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

REVISED

SELF-MONITORING PROGRAM

FOR

City of Pittsburg

Montezuma Plant

Contra Costa County

NPDES NO. CA0037508

ORDER NO. 78-56

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the treatment facilities between the point of discharge and the point at which all waste tributary to that outfall is present. (May be the same as E-001-D)
E-001-D	At any point in the disinfection facilities for Waste E-001, at which point adequate contact with the disinfectant is assured.

B. OVERFLOWS AND BYPASSES

<u>Station</u>	<u>Description</u>
O-1 through O-'n'	Bypass or overflows from manholes, pump stations, or collection system. NOTE: Initial SMP report to include map and description of each known bypass or overflow location.

II. SCHEDULE OF SAMPLING, MEASUREMENT AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table 1.

I, Fred H. Dierker, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 78-56.
2. Does not include the following paragraphs of Part A:

C-3 and C-4.
3. Is effective on the date shown below.
4. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Effective Date _____

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES¹

SAMPLING STATIONS	E-001-D			All O			
TYPE OF SAMPLES	G	C-24	Cont.	O			
Flow rate (M.gals/day)			Cont.				
BOD 5-day (ug/l and kg/day)		W					
Total Suspend Matter (ug/l and Kg/day)		W					
Chlorine Residual ug/l	2D						
Settable Matter (uI/l-hr)	D						
Total Coliform MPN/100 ml)	3/W						
Oil and Grease ² ug/l	M						
Toxicity % Survival in (undiluted waste as discharged)		M					
pH	D						
All applicable Standard Obser.				E			

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
C-24 = composite sample - 24-hour
C-X = composite sample - X hours
(used when discharge does not
continue for 24-hour period)
Cont. = continuous sampling
DI = depth-integrated sample
BS = bottom sediment sample
O = observation

TYPES OF STATIONS

I = intake and/or water supply station
A = treatment facility influent stations
E = waste effluent stations
C = receiving water stations
P = treatment facilities perimeter stations
L = basin and/or pond levee stations
O = overflows and bypasses
E = bottom sediment stations

FREQUENCY OF SAMPLING

E = each occurrence	2/D = twice per day	2H = every 2 hours
H = once each hour	2/H = twice per hour	2D = every 2 days
D = once each day	2/W = 2 days per week	2W = every 2 weeks
W = once each week	5/W = 5 days per week	3M = every 3 months
M = once month	2/M = 2 days per month	Cont = continuous
Y = once each year	2/Y = once in April and once in September	

1. During any day when bypassing occurs from any treatment unit(s) in the plant, the monitoring program for the effluent shall include the following in addition to the above schedule for sampling, measurement and analyses:
 - a. Composite sample for BOD, Total suspended solids, oil and grease
 - b. Grab sample for Coliform (Total and Fecal), Settleable matter, and chlorine residual (continuous or every two hours)
 - c. Continuous monitoring of flow
2. Oil and grease sampling shall consist of 3 grab samples taken at 8-hour intervals during the sampling day, with each grab being collected in a glass container and analyzed separately. Results shall be expressed as a weighted average of the 3 values, based upon the instantaneous flow rates occurring at the time of each grab sample.

If the plant is not staffed 24 hours per day or if the discharge does not occur continuously, then the three grab samples may be taken at approximately equal intervals during the period that the plant is staffed or during the period that discharge is made.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

REVISED

SELF-MONITORING PROGRAM

FOR

CITY OF PITTSBURG

CAMP STONEMAN PLANT

CONTRA COSTA COUNTY

NPDES NO. CA 0037761

ORDER NO. 78-55

SMP CONSISTS OF

PART A

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

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B. OVERFLOWS AND BYPASSES

<u>Station</u>	<u>Description</u>
0-1 through 0-'n'	Bypass or overflows from manholes, pump stations or collection system. Note: Initial SMP report to include map and description of each known bypass or overflow location. Reporting - To be submitted monthly and include date, time and period of each bypass or overflow.

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C-3
C-4
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FRED H. DIERKER
Executive Officer

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Attachment:
Table I
Part A

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